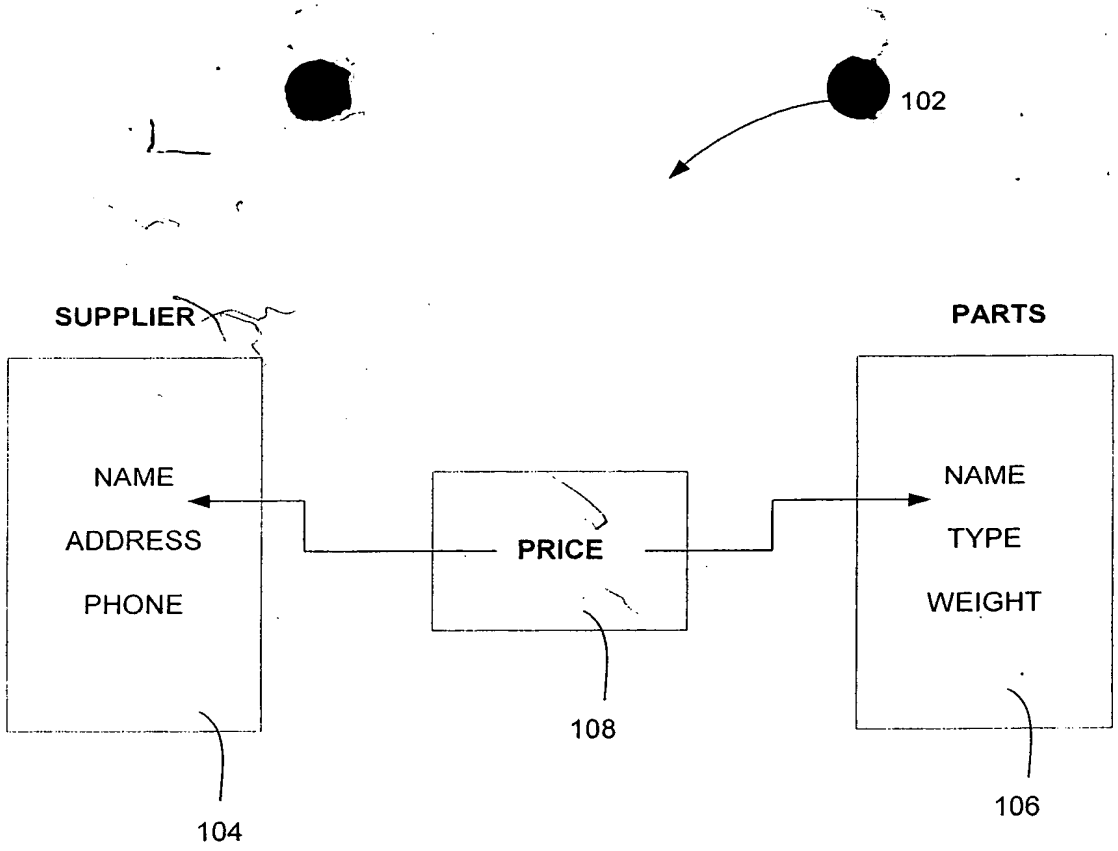


FIG. 1

09/650,650 - 071501

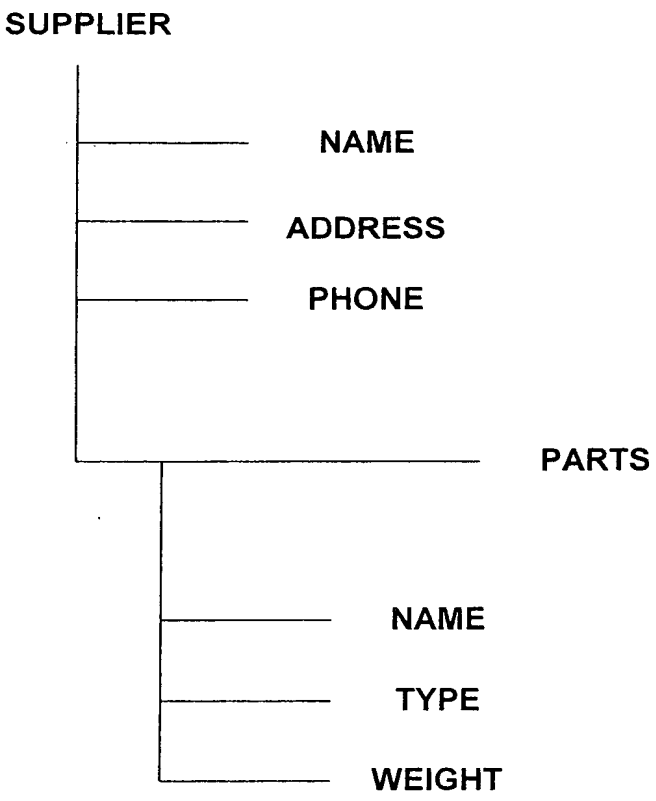


FIG. 2

05760058 - 041602

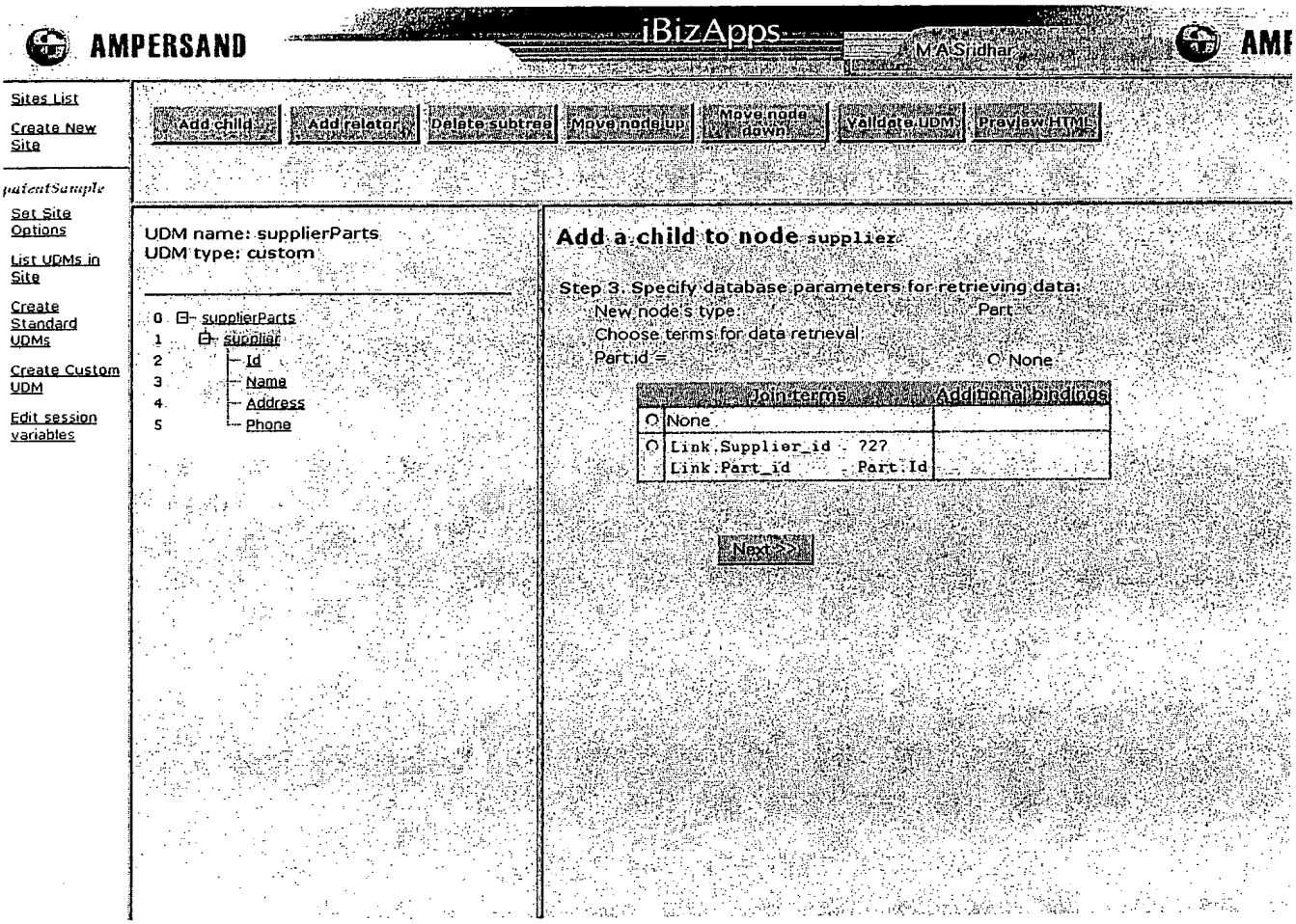


Fig. 3

09650850 - 041604

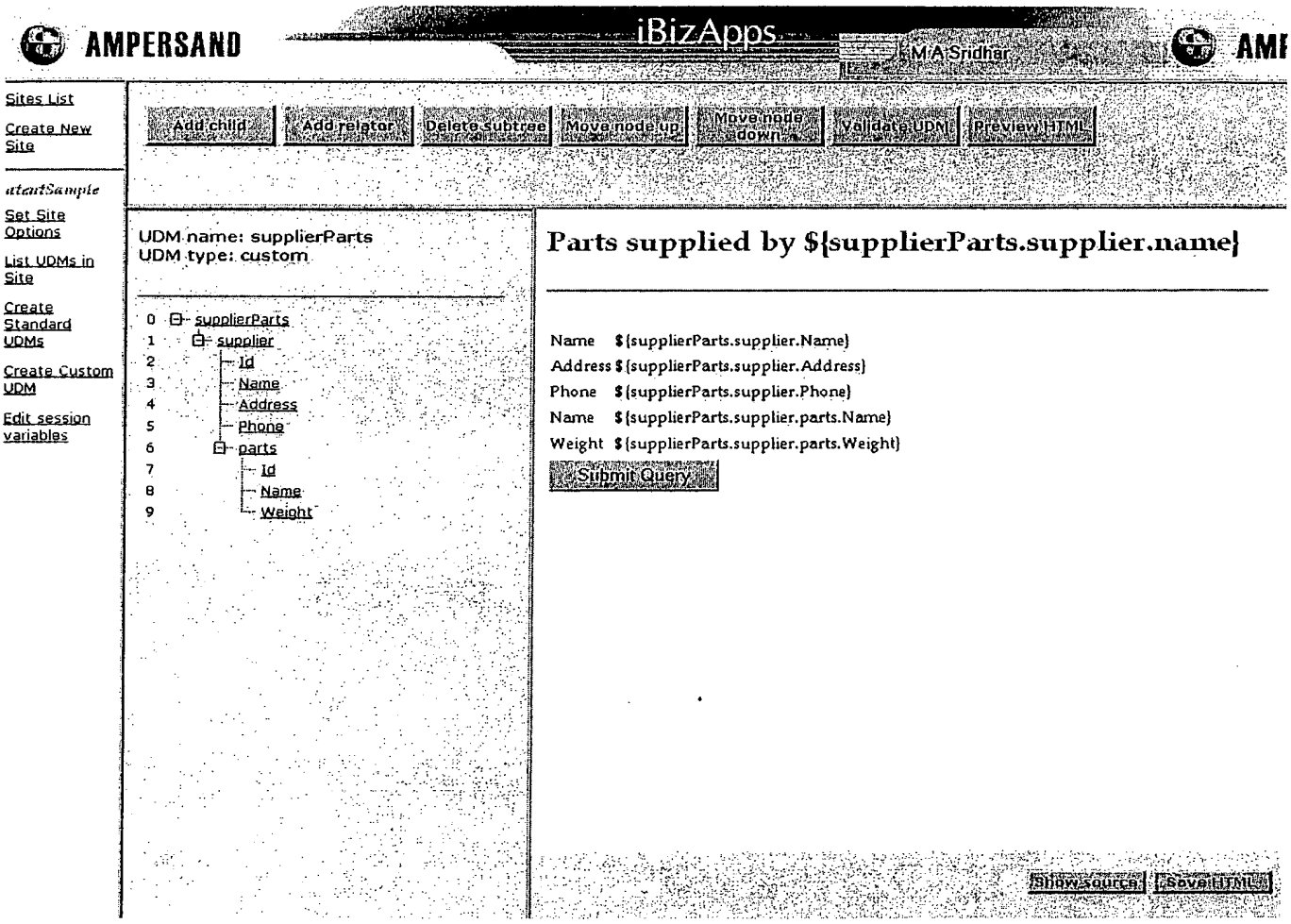
AMPERSAND
iBizApps
S M A Sridhar
Sites List
Create New Site
Set Site Options
List UDMs in Site
Create Standard UDMs
Create Custom UDM
Edit session variables
Add child
Add relator
Delete subtree
Move node up
Move node down
Validate UDM
Preview HTML
UDM name: supplierParts
UDM type: custom
0 supplierParts
1 supplier
2 Id
3 Name
4 Address
5 Phone
6 parts
7 Id
8 Name
9 Weight
Parts supplied by ${supplierParts.supplier.name}
Name ${supplierParts.supplier.Name}
Address ${supplierParts.supplier.Address}
Phone ${supplierParts.supplier.Phone}
Name ${supplierParts.supplier.parts.Name}
Weight ${supplierParts.supplier.parts.Weight}
Submit Query
Show Source
Save HTML

Fig. 4

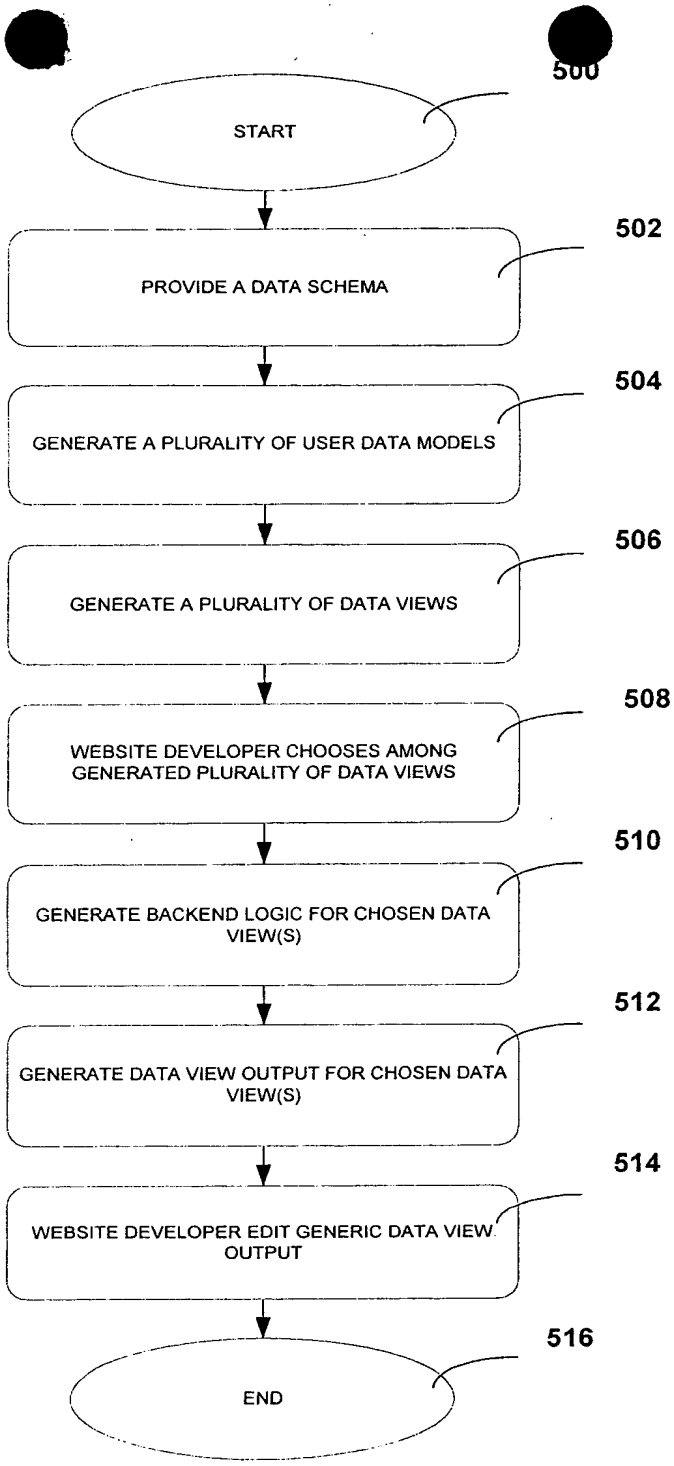
500
START
502
PROVIDE A DATA SCHEMA
504
GENERATE A PLURALITY OF USER DATA MODELS
506
GENERATE A PLURALITY OF DATA VIEWS
508
WEBSITE DEVELOPER CHOOSES AMONG GENERATED PLURALITY OF DATA VIEWS
510
GENERATE BACKEND LOGIC FOR CHOSEN DATA VIEW(S)
512
GENERATE DATA VIEW OUTPUT FOR CHOSEN DATA VIEW(S)
514
WEBSITE DEVELOPER EDIT GENERIC DATA VIEW OUTPUT
516
END

FIG. 5

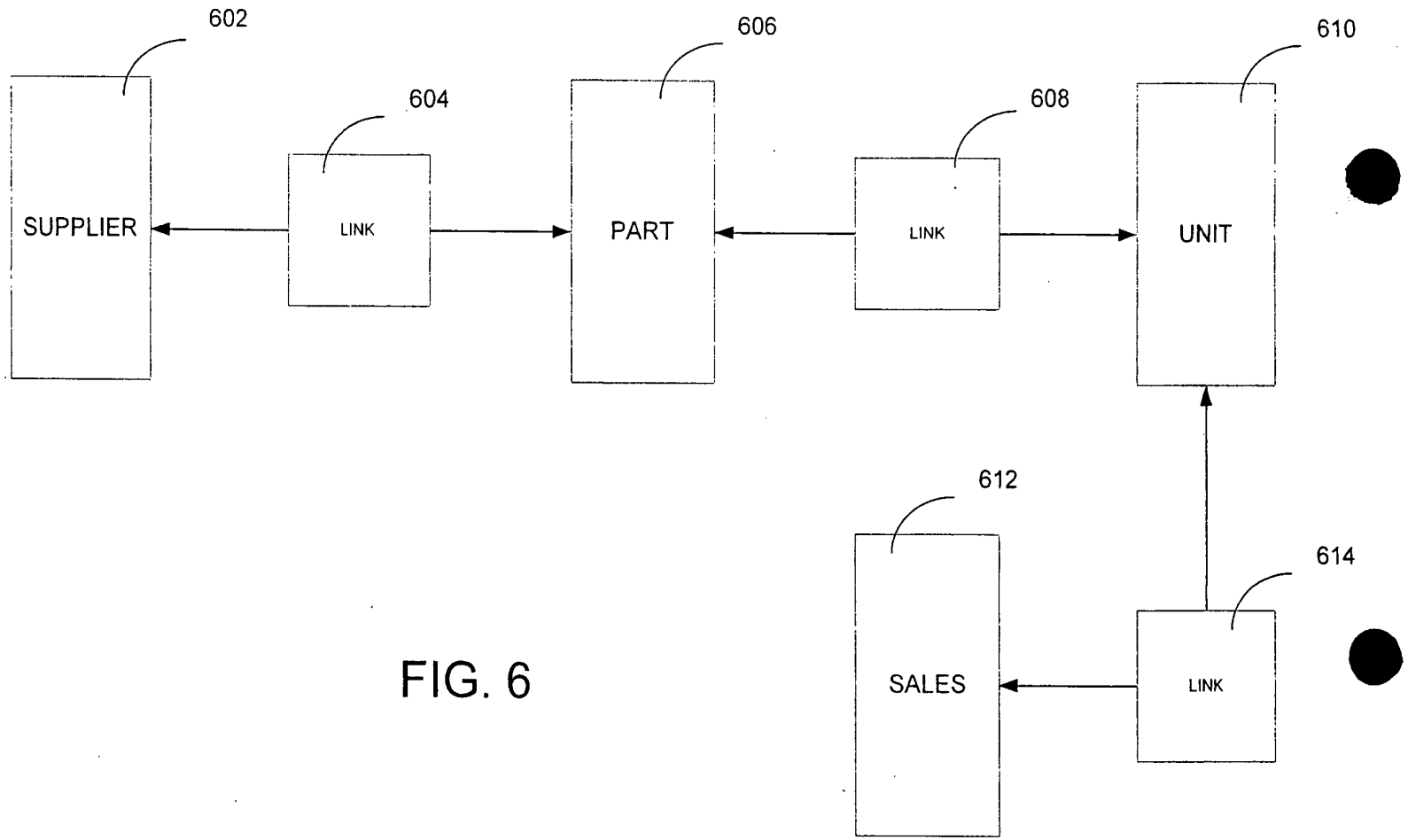
602
SUPPLIER
604
LINK
606
PART
608
LINK
610
UNIT
612
SALES
614
LINK

FIG. 6

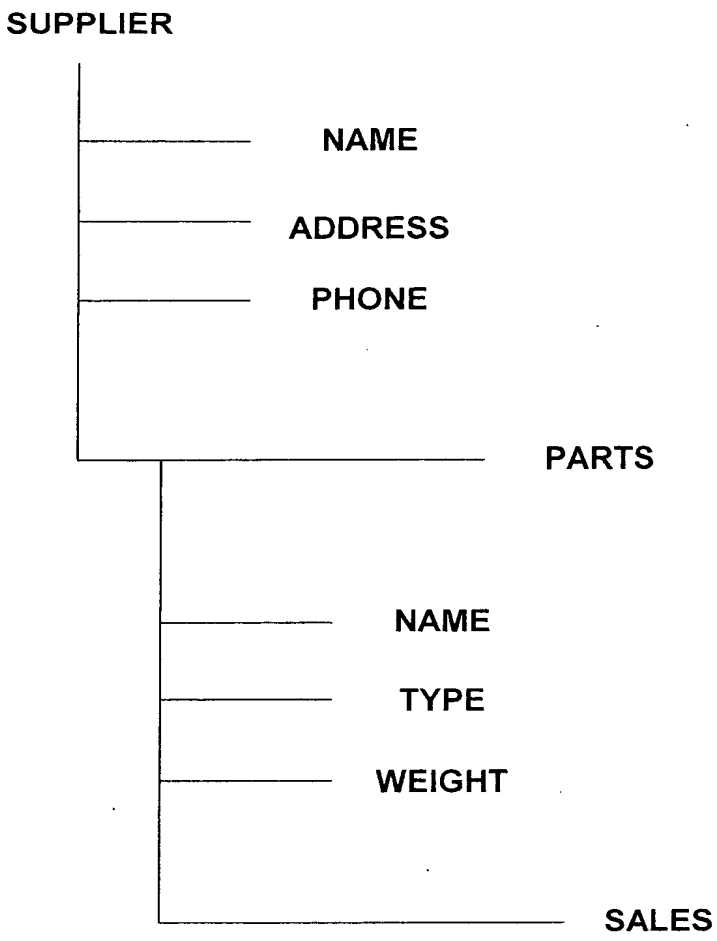


FIG. 7

D-2626-0-1-1-04

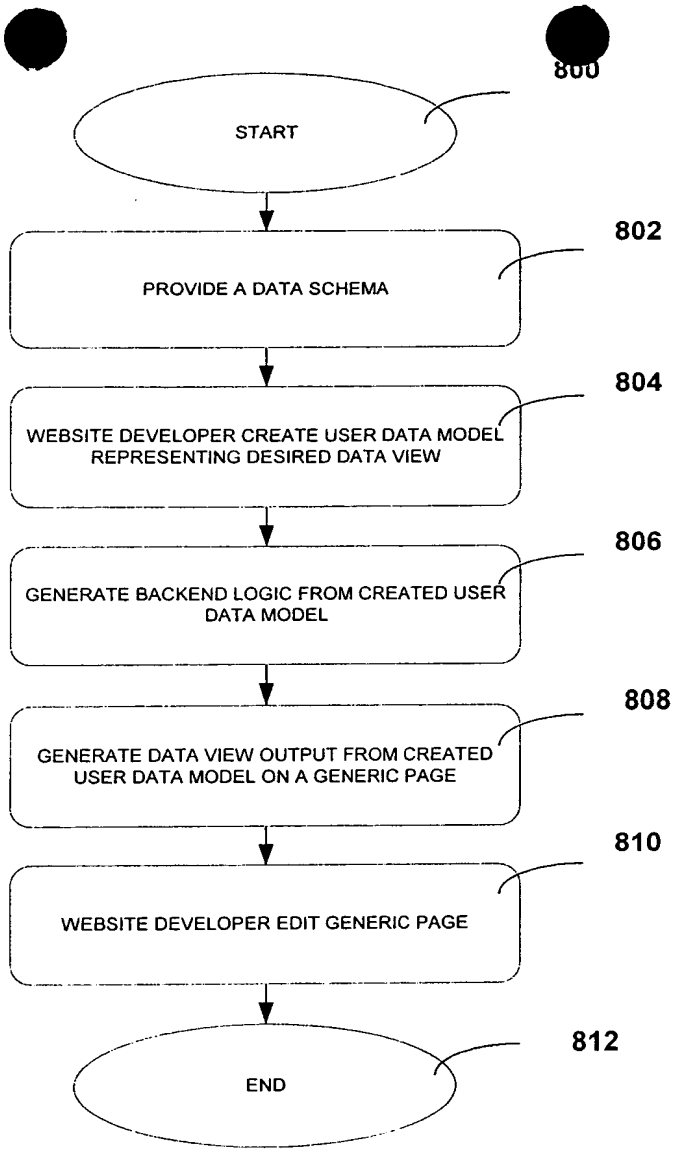
800
START
802
PROVIDE A DATA SCHEMA
804
WEBSITE DEVELOPER CREATE USER DATA MODEL REPRESENTING DESIRED DATA VIEW
806
GENERATE BACKEND LOGIC FROM CREATED USER DATA MODEL
808
GENERATE DATA VIEW OUTPUT FROM CREATED USER DATA MODEL ON A GENERIC PAGE
810
WEBSITE DEVELOPER EDIT GENERIC PAGE
812
END

FIG. 8

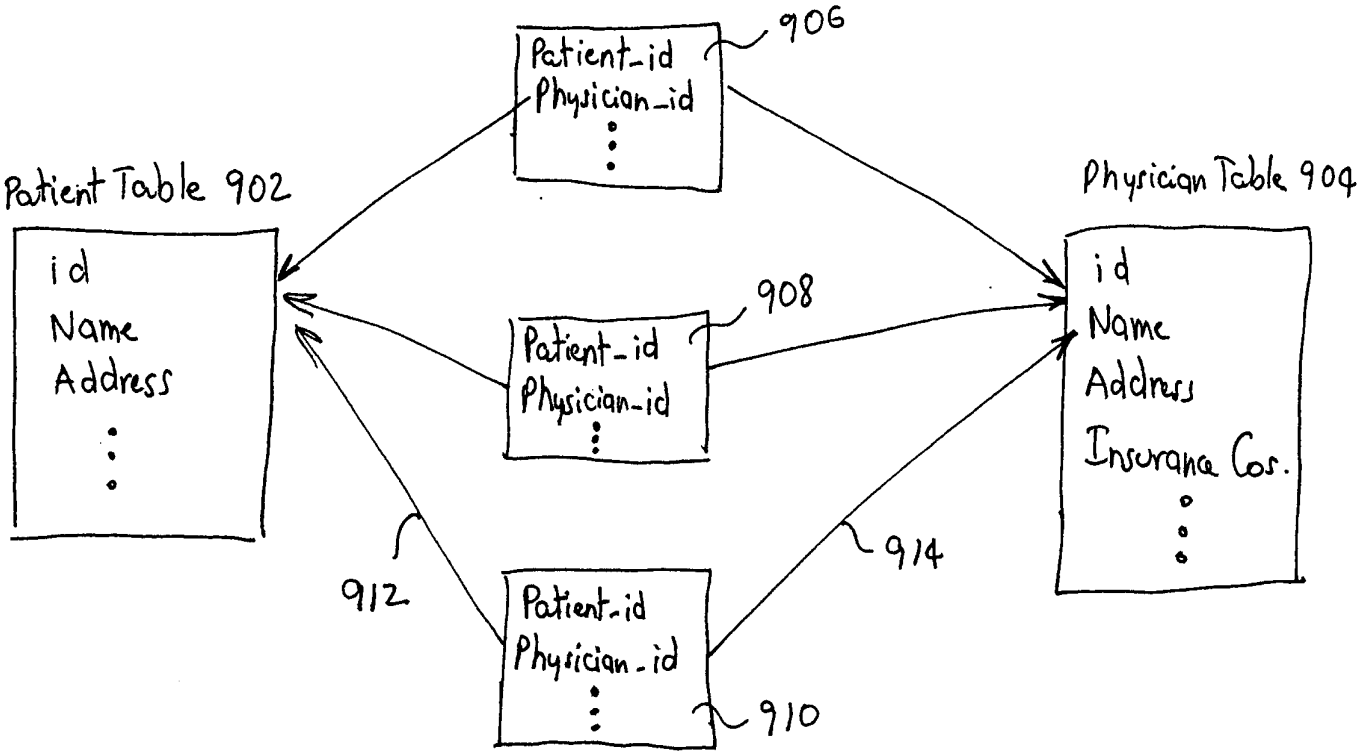
Patient_id
Physician_id
906
Patient Table 902
id
Name
Address
Physician Table 904
id
Name
Address
Insurance Cos.
908
Patient_id
Physician_id
912
914
Patient_id
Physician_id
910

Fig. 9

| RECORD ID | NAME | ADDRESS | CITY | STATE |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
| 15 | ACME TECHNOLOGIES | 123 SPRING ST | RENO | NV |
| | | | | |
| 21 | PAPER-R-US | 17 TECHNOLOGY DR. | SAN JOSE | CA |
| | | | | |

1012

1000

1020

1002 1004 1006

| ID | SUPPLIER_ID | PART_ID |
|---|---|---|
| 1 | 15 | 7 |
| 2 | 15 | 3 |
| 3 | 21 | 14 |
| | | |

1014

1016

| RECORD ID | NAME | TYPE | DESCRIPTION |
|---|---|---|---|
| | | | |
| 3 | SHOE POLISH | PERSONAL SUPPLIES | BLACK |
| | | | |
| 7 | TOOTH PASTE | RESALE | FLOURIDE ENHANCED |
| | | | |
| 14 | PAPER CLIP | OFFICE SUPPLIES | PLASTIC SIZE 4 |
| | | | |

1022

FIG. 10

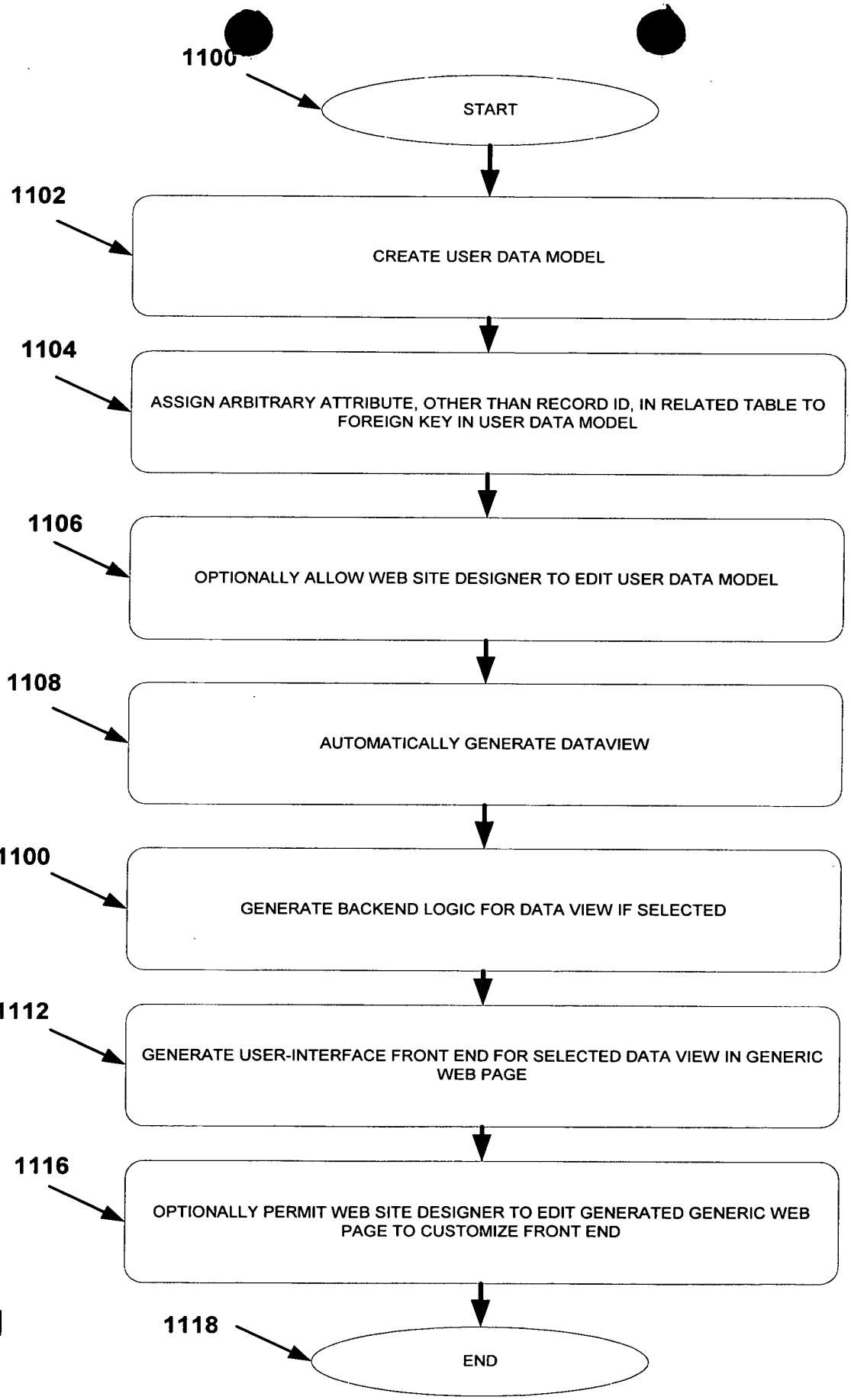
1100
START
1102
CREATE USER DATA MODEL
1104
ASSIGN ARBITRARY ATTRIBUTE, OTHER THAN RECORD ID, IN RELATED TABLE TO FOREIGN KEY IN USER DATA MODEL
1106
OPTIONALLY ALLOW WEB SITE DESIGNER TO EDIT USER DATA MODEL
1108
AUTOMATICALLY GENERATE DATAVIEW
1100
GENERATE BACKEND LOGIC FOR DATA VIEW IF SELECTED
1112
GENERATE USER-INTERFACE FRONT END FOR SELECTED DATA VIEW IN GENERIC WEB PAGE
1116
OPTIONALLY PERMIT WEB SITE DESIGNER TO EDIT GENERATED GENERIC WEB PAGE TO CUSTOMIZE FRONT END
1118
END

FIG. 11

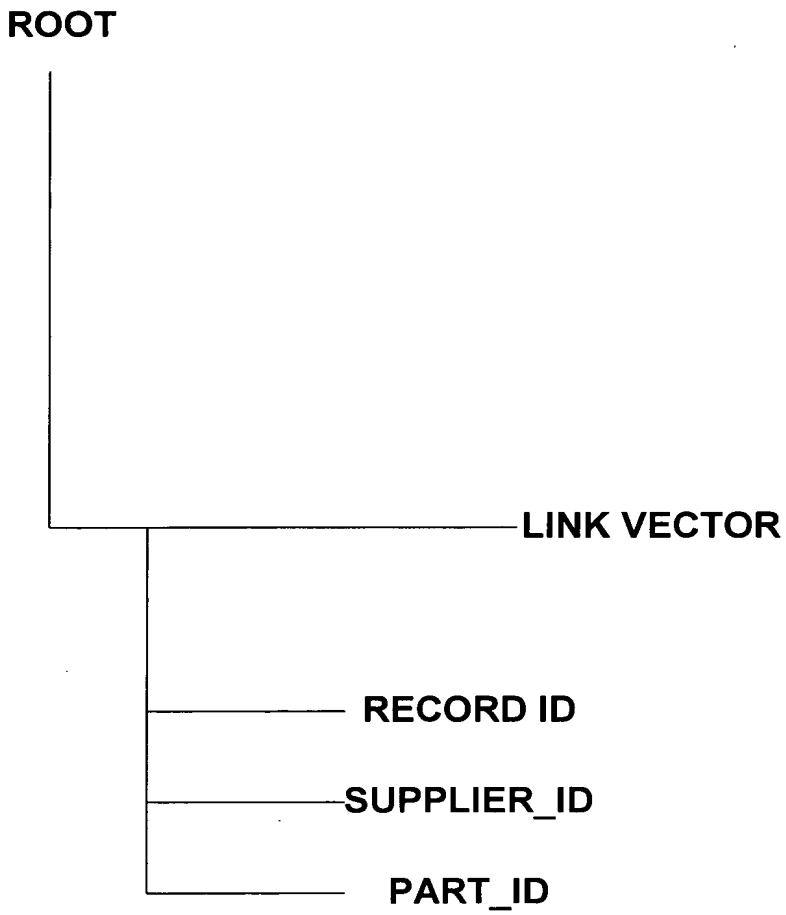


FIG. 12

| RECORD ID | SUPPLIER ID | PART ID |
|---|---|---|
| 1 | ACME TECHNOLOGIES | TOOTH PASTE |
| 2 | ACME TECHNOLOGIES | SHOE POLISH |
| 3 | PAPER-R-US | PAPER CLIP |
| | | |
| | | |

FIG. 13